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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/771,536B

DATE: 02/05/2002
 TIME: 11:47:51

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF3\02052002\I771536B.raw

3 <110> APPLICANT: Langridge, William H. R.
 4 Yu, Jie
 5 Arakawa, Takeshi
 7 <120> TITLE OF INVENTION: Transgenic Plant-Based Vaccines
 9 <130> FILE REFERENCE: 12273-3
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/771,536B
 12 <141> CURRENT FILING DATE: 2001-01-29
 14 <160> NUMBER OF SEQ ID NOS: 15
 16 <170> SOFTWARE: PatentIn version 3.1
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 376
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Vibrio cholerae
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 26 ggaacacactc aaaatattac tgatttgtt gcagaatacc acaacacaca aatacatacg 120
 28 ctaaatgata agatattgtc gtatacagaa tctctagctg gaaacagaga gatggctatc 180
 30 attacttttta agaatggtgc aacttttcaa gtagaagtac caggtgtca acatatacat 240
 32 tcacaaaaaaa aagcgattga aaggatgaag gataccctga ggattgcata tcttactgaa 300
 34 gctaaagtgc aaaagttatg tgtatggaat aataaaacgc ctcatgcgt tgccgcaatt 360
 36 agtatggcaa attggc 376
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 40 <211> LENGTH: 36
 41 <212> TYPE: DNA
 42 <213> ORGANISM: artificial sequence
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 45 <223> OTHER INFORMATION: completely synthesized
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 54 <213> ORGANISM: artificial sequence
 56 <220> FEATURE:
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 64 <211> LENGTH: 391
 65 <212> TYPE: DNA
 66 <213> ORGANISM: artificial sequence
 68 <220> FEATURE:
 69 <223> OTHER INFORMATION: completely synthesized hinge coding region and Vibrio cholerae

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76 ctaaatgata agatattgtc gtatacagaa tctctagctg gaaacagaga gatggctatc      180
78 attactttt aagatggtgc aactttcaa gtagaagtac caggttagtca acatatacat      240
80 tcacaaaaaa aagcgattga aaggatgaag gataccctga ggattgcata tcttactgaa      300
82 gctaaagtgc aaaagttagt tgtagatggaaataaaaacgc ctcatgcgt tgccgcaatt      360
84 agtatggcaa attggcccaag gcccgggata a                                391

87 <210> SEQ ID NO: 5
88 <211> LENGTH: 54
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90 <213> ORGANISM: Vibrio cholerae
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97 <211> LENGTH: 24
98 <212> TYPE: DNA
99 <213> ORGANISM: artificial sequence
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121 <211> LENGTH: 66
122 <212> TYPE: DNA
123 <213> ORGANISM: Rotavirus sp.
125 <400> SEQUENCE: 8
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136 <220> FEATURE:
137 <223> OTHER INFORMATION: completely synthesized
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146 <213> ORGANISM: artificial sequence

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 161 <223> OTHER INFORMATION: Vibrio cholerae and Rotavirus sp.
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 168 ctaaatgata agatattgtc gtatacagaa tctcttagctg gaaacagaga gatggctatc 180
 170 attactttt agaatggtgc aactttcaa gtatacagaa caggtatgtca acatatacat 240
 172 tcacaaaaaa aaggcattga aaggatgaag gataccctga ggattgcata tcttactgaa 300
 174 gctaaggctcg aaaagttatg tgtatggaat aataaaacgc ctcatgcgt tgccgcaatt 360
 176 agtatggcaa attggccag gccccggaga gctcgataag ttgactacta gggagattga 420
 178 gcaagttgag ttgttgaaga ggatttacga taagttgact tctgagaagg atgagttgt 480
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 184 <211> LENGTH: 444
 185 <212> TYPE: DNA
 186 <213> ORGANISM: Escherichia coli
 188 <400> SEQUENCE: 12
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 193 gaaagttaca gagtaatgac tcaagttcat acaaaccatg caactaaaaa agtaattgtt 180
 195 aaacttgctg atacaccaca gttacagat gttctgaatt caactgttca aatgcctatc 240
 197 agtgtgtcat ggggaggaca agtattatct tctacaacag ccaaagaatt tgaagctgct 300
 199 gctttggat attctgcattt cggtgtaaat ggcgtatcat cttctcaaga gttagtaatt 360
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 207 <211> LENGTH: 141
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 214 caatctaaag ttaaaagaca aatattttca ggctatcatat ctgtatattga tacacataat 120
 216 agaattaaag atgagttgtg a 141
 219 <210> SEQ ID NO: 14
 220 <211> LENGTH: 54
 221 <212> TYPE: DNA
 222 <213> ORGANISM: Vibrio cholerae
 224 <400> SEQUENCE: 14
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230 <212> TYPE: DNA
231 <213> ORGANISM: artificial sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Vibrio cholerae and Escherichia coli
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239 gtagagaaaa atattactgt	aacagctagt gttgatcctg	taattgatct tttgcaagct	120
241 gatggcaatg ctctgccatc	agctgtaaag ttagcttatt	ctcccgcatc aaaaactttt	180
243 gaaagttaca gagtaatgac	tcaagttcat acaaaccatg	caactaaaaa agtaattgtt	240
245 aaacttgctg atacaccaca	gcttacagat gttctgaatt	caactgttca aatgcctatc	300
247 agtgtgtcat ggggaggaca	agtattatct tctacaacag	ccaaagaatt tgaagctgct	360
249 gctttggat attctgcattc	cggtgtaaat ggcgtatcat	cttctcaaga gtttagtaatt	420
251 agcgctgcac ctaaaactgc	cggtaccgcc ccaactgcag	gaaaactattc aggagtagta	480
253 tctcttgtaa tgactttggg	atccgtcgac atcagtaata	cttgcgtatga aaaaacccaa	540
255 agtctaggtg taaaattcct	tgacgaatac caatctaaag	ttaaaaagaca aatattttca	600
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VERIFICATION SUMMARY
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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number